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PATENT ATTORNEY DOCKET NO. 00742/057002

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I hereby certify under 37 C.F.R. § 1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Rosemarie Perullo

Printed name of person mailing correspondence

Signature of person mailing correspondence

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Junying Yuan et al.

Art Unit:

1617

Serial No.:

09/829,040

Examiner:

Wang, Shengjun

Filed:

April 9, 2001

Customer No.:

21559

Title:

METHODS AND COMPOUNDS FOR DECREASING CELL

TOXICITY OR DEATH

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Applicants submit the references listed on the enclosed Form PTO-1449, copies of which are enclosed. A copy of a communication from a foreign patent office in a counterpart application is also enclosed.

Submission of this statement is not a representation that a search has been made, nor is the inclusion of information in this statement an admission that the information is material to patentability.

This statement is being filed after the mailing of a first Office action on the merits,

but before the mailing of a final Office action or a Notice of Allowance. I, the undersigned, hereby certify that each item of information contained in this statement was first cited in any communication from a foreign patent office in a counterpart foreign application, dated December 11, 2003, which is not more than three months prior to the filing of this statement

If there are any other charges or any credits, please apply them to Deposit Account No. 03-2095.

Date

Respectfully submitted

Kristina Dicker-Brady, Ph.D., P.C

Reg. No

Clark & Elbing LLP 101 Federal Street

Boston, MA 02110

Telephone: 617-428-0200 Facsimile: 617-428-7045

PATENT COOPERATION TREATY

From the INTERNATIONAL PRELIMINARY EXA	MINING AUTHORITY			•
To: KRISTINA BIEKER- BRADY CLARK & ELBING LLP 101 FEDERAL STREET			PCT	DEC 1 5 2003
	V DUE LON	/ '	WRITTEN ÓPINĮ	ON
DUE DA INITIAI		W	(PCT Rule 66)	
		Date of Mailing (day/month/year)	11 555	
Applicant's or agent's file reference		REPLY DUE	## DFC 50	03
00742/057WO2		t	vithin 1 months/days fr he above date of mailir	
International application No.	International filing date (d	day/month/year)	Priority date (day/mor	uth/year)
PCT/US02/11025 International Patent Classification (IPC)	09 April 2002 (09.04.200		09 April 2001 (09.04.	2001)
			445 224505 22400	1110 CL 514424 170
IPC(7): A61K 31/13, 31/16, 31/42, 31/ 245, 249, 275, 331, 367, 380, 599, 617			445, 31/505, 33/08 and	1 US CI.: 514/34, 178.
Applicant				
PRESIDENT AND FELLOWS OF HA	RVARD COLLEGE			
1. This written opinion is the fire	rst (first, etc.) drawn by th	his International Pre	liminary Examining Au	ithority.
This opinion contains indicat			, .	,
<u></u>			•	
I Basis of the opini	on .	•		
II Priority			• •	·
III Non-establishmen	t of opinion with regard to	novelty, inventive s	tep and industrial appli	cability
IV Lack of unity of i	nvention			
V Reasoned stateme citations and expl	nt under Rule 66.2 (a)(ii) vanations supporting such st	vith regard to novelt atement	y, inventive step or ind	lustrial applicability;
VI Certain document	s cited			
VII Certain defects in	the international application	n	·	
VIII Certain observation	ons on the international app	lication		
3. The applicant is hereby invit	ad da manko sa shik sa ining			
When? See the time	limit indicated above. The to-grant an extension. See	applicant may, befo	re the expiration of tha	nt-time limit, request
	g a written reply, accompar and the language of the am			ccording to Rule 66.3.
For the exam	onal opportunity to submit in in it is obligation to conside the communication with the	r amendments and/o	or arguments, see Rule	66,4 bis.
If no reply is filed, the inter				is of this opinion.
The final date by which the i examination report must be examination.	nternational preliminary			_
Name and mailing address of the IPEA	A/US	Authorized officer		0
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents		Shengjun Wang	Janie	Fore
P.O. Box 1450 Alexandria, Virginia 22313-1450		Telephone No. (7	V	tre
Facsimile No. (703)305-3230 Form PCT/IPEA/408 (cover sheet)(Ju	lv 1998)	1		101

WRITTEN OPINION

International	application	No.

PCT/US02/11025

ı.	Basis of the opinion
۱.	With regard to the elements of the international application:*
	the international application as originally filed the description: pages 1-54, as originally filed pages NONE, filed with the demand pages NONE, filed with the letter of
	the claims: pages 55-68
	the drawings: pages 1-68
_	the sequence listing part of the description: pages NONE, as originally filed pages NONE, filed with the demand pages NONE, filed with the letter of
2	With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language which is: the language of a translation furnished for the purposes of international search (under Rule23.1(b)). the language of publication of the international application (under Rule 48.3(b)). the language of the translation furnished for the purposes of international preliminary examination(under Rules 55.2 and/or 55.3).
3	With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the written opinion was drawn on the basis of the sequence listing:
	contained in the international application in printed form. filed together with the international application in computer readable form. furnished subsequently to this Authority in written form. furnished subsequently to this Authority in computer readable form. The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the
	international application as filed has been furnished. The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.
4	The amendments have resulted in the cancellation of: the description, pages NONE the claims, Nos. NONE the drawings, sheets/fig NONE
5	
	Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to it his opinion as "originally filed."

Form PCT/IPEA/408 (Box I) (July 1998)

WRITTEN OPINION

International application No. PCT/US02/11025

. STATEMENT		
Novelty (N)	Claims 1-21	YES
	Claims NONE	NO
Inventive Step (IS)	Claims NONE	YES
michael Grep (15)	Claims 1-21	NO
Industrial Applicability (IA)	Claims 1-21	YES
maustral Applicatifity (IA)	Claims NONE	NO
	nod of treating various diseases associated with	
binding agents includes analogues of Congo red. Se treating Huntington disease by using haloperidol. So Klunk et al. or Cai et al. does not teach et al. teaches that Congo red and the Congo red analofor reducing toxicity. See, the abstract. Huang et al have expanded polyglutamine segment. See the abstract Therefore, it would have been prima facie invention was made, to employ Congo red for treat	e the abstract. pressly to employ Congo red as the amyloid binues employed in '178 are known to be similarly teaches that Congo red binding to the amyloid ract. obvious to a person of ordinary skill in the art, ng a subject with Huntington disease. have been motivated to employ Congo red for amyloid binding agent, and particularly for bin on to effectively binding to amyloid from Hunting Congo read for treating Huntington disease or oyment of Congo red or haloperidol for treating	gton diseases. The amyloid Cai et al. teaches method of ading agents. However, Klunk et useful as amyloid binding agent from Huntington diseases which at the time the claimed the treating a subject with Huntington ington disease, one of ordinary diseases with similar amyloids to Huntington disease with disease would

Form PCT/IPEA/408 (Box V) (July 1998)

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International application No. PCT/US02/11025

Supplemental Box	Su	ppl	eme	ent	al	Box
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(To be used when the space in any of the preceding boxes is not sufficient)

TIME LIMIT:

The time limit set for response to a Written Opinion may not be extended. 37 CFR 1.484(d). Any response received after the expiration of the time limit set in the Written Opinion will not be considered in preparing the International Preliminary Examination Report.

Form PCT/IPEA/408 (Supplemental Box) (July 1998)



Sheet 1 of 1

SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMI (MODIFIED) PATENT AND TRADEMARK OF				Attorney Docket No. Serial No.			00742/057002 09/829,040		
								,	
INFORMATION DISCLOSURE					Applicant			Junying Yuan et al.	
		IT BY APPLICANT sheets if necessary)			Filing Date	9		April 9, 2001	
					Group			1617	
(37 C.F.R. § 1	.98(b))				IDS Filed		February	26, 2004	
					Customer	No.	21559		
		U.S. PATENTS OR P	ATENT	APPLICATIO	N PUBLICA	TIONS	•		
Examiner's Initials	Patent Number	Issue/Publication	Date	Patentee/	'Applicant	Class	Subclass	Filing Date (If Appropriate)	
	,								
	FORE	EIGN PATENT OR PU	IBLISHE	D FOREIGN	PATENT A	PPLICATIO	N .	•	
Examiner's Initials	Document Number	Publication Date		Count Patent		Class	Subclass	Translation (Yes/No)	
	WO 96/02250	February 1, 1996	ry 1, 1996 PCT						
	WO 99/24394	May 20, 1999	РСТ						
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)									
C.C. Huang et al., "Amyloid Formation by Mutant Huntingtin:Threshold, Progressivity and Recruitment of Normal Polyglutamine Proteins," Somatic Cell and Molecular Genetics, 24(4) pp. 217-33 (1998) (abstract only).									
W.E. Klunk et al., "Chrysamine-G, A Lipophilic Analogue of Congo Red, Inhibits Aβ-Induced Toxicity in PC12 Cells," <i>Life Sciences</i> , V. 63, No. 20, pp.1807-1814 (1998).									
-		· ·							
EXAMINER				DATE CO	NSIDERED				
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.									